

CLAIMS

I claim:

1. A bi-layer liner for lining concrete structures comprising:
a surfacer layer and a barrier layer, said barrier layer being disposed on said surfacer
layer.
2. The liner of claim 1, where said surfacer layer is composed of an epoxy.
3. The liner of claim 2, wherein the barrier layer is a foam.
4. The liner of claim 3, wherein said foam is polyurea foam.
5. The liner of claim 1, where said barrier layer is composed of a polyurea and
isocyanate blend.
6. The liner of claim 4, where said surfacer layer is composed of a foam.
7. The liner of claim 5, wherein said foam is a polyurethane foam.
8. The liner of claim 1, where said barrier layer has a cure rate of less than 60 seconds.
9. The liner of claim 1, where said barrier layer is less than 80 mils in thickness.
10. A multi-layer liner for lining a concrete structure comprising:
(a) a first barrier layer;
(b) a surfacer layer disposed on said first barrier layer; and
(c) a second barrier layer disposed on said surfacer layer.
11. The liner of claim 8, where said surfacer layer is a foam.
12. The liner of claim 9, wherein said foam is a polyurethane foam.

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13. The liner of claim 9, wherein said foam is a polyurea foam.
14. The liner of claim 8, where said first barrier layer and said second barrier layer are composed of the same material.
15. The liner of claim 10, where said first barrier layer and second barrier layer are composed of a polyurea and isocyanate blend.
16. The liner of claim 8, where said first barrier layer and said second barrier layer are less than 80 mils in thickness.
17. The liner of claim 8, where said first barrier layer and said second barrier layer have cure rates of less than 60 seconds.
18. A method for lining concrete structures comprising:
(a) cleaning a surface of a concrete structure;
(b) applying a foam liner material to said surface of said concrete structure.
19. The method of claim 14, wherein the foam liner material is a polyurea foam.
20. The method of claim 14, wherein the foam liner material is a polyurethane foam.
21. The method of claim 14, wherein step (a) further includes the steps of:
(a) pressure washing the surface of the concrete structure; and
(b) heat drying the surface of the concrete structure.

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